

## Traffic

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### **V014 Work Zone Safety**

4 Part Video that discusses work zone safety.

Part 1: Work Zone Traffic Control

Part 2: Traffic Control Devices

Part 3: Traffic Control Zones

Part 4: Typical Applications

### **V018 The Nuts and Bolts of Jolts**

Traffic signals and eliminating transient voltage is discussed.

### **V028 Flagging Operations**

Shows proper flagging techniques and required equipment.

### **V036 Highway Signing**

This is a three part video on highway signing, sign maintenance documentation, and sign management.

Part 1: Highway Signing

Part 2: Sign Maintenance Documentation.

Part 3: Sign Management

### **V048 Sign Maintenance and Installation**

This video discusses the importance of a good sign maintenance program, proper sign installation, safety practices and record keeping procedures.

### **V068 Stop & Think - A Campaign Against Vandalism**

This is an excellent video portraying the impact of vandalized traffic signs and controls. The video features two dramatizations depicting safety and liability concerns related to vandalized traffic signs. The costs to taxpayers and an interview with a man involved in taking a stop sign that contributed to a fatal accident are also shown.

### **V081 Highway Work Zone Safety - Traffic Control**

This videotape series has been photographed at operating work zones. The viewers will see examples of good safety practices, as well as actual safety hazards and unsafe working conditions. Each videotape in the series has an accompanying instructor's guide. The first 3 part grouping contains information concerning traffic control.

Part 1: One Step from Death. This video shows five accident simulations based on typical safety problems found in highway work zones.

Part 2: Traffic Control Safety. This video shows how to be safe by following some simple, logical procedures for setting up traffic controls. The program also describes the most common kind of work zone accident - the rear-ender.

Part 3: Professional Flagging. Flaggers are responsible for the life-or-death safety of everyone who works near traffic. This videotape covers basic principles, basic procedures, and applications for effective and safe flagging.

### **V082 Highway Work Zone Safety - Pre-Construction**

This videotape series has been photographed at operating work zones. The viewers will see examples of good safety practices, as well as actual safety hazards and unsafe working conditions. Each videotape in the series has an accompanying instructor's guide. The second 5 part grouping contains information concerning pre-construction safety.

Part 1: Utility Safety in Work Zones. This video shows the above and below ground hazards of telecommunications, electric, gas, water, and sewer utilities; the on-site consequences when they are disrupted; and the off-site consequences to those affected by the disruptions. The video also emphasizes contacting a One Call system (JULIE in Illinois) to help locate underground utility hazards.

Part 2: Surveying Safety. This video describes some of the important hazards surveyors face as they work in every phase of construction, from pre-con to post-con, both inside and outside the work zone.

Part 3: Loading, Transporting, and Unloading Heavy Equipment. This video shows the special considerations involved with moving equipment too large to be self transported over long distances. Emphasis is on visibility and respect for the size of the equipment.

Part 4: Removal/Demolition Safety. This video shows the hazards associated with the demolition and removal of roads, structures, and utilities in preparation for new construction. Emphasis is on personal safety by being knowledgeable about the job, the equipment, and the plan.

Part 5: Plant Site Safety. This video covers some of the safety hazards in permanent and portable ACC, PCC, bulk plant, and crushing operations. It shows what to watch out for if you're a pedestrian on the ground, a crane operator, or a truck driver, traveling between the plant and construction sites.

### **V083 Highway Work Zone Safety - Maintenance and Construction**

This videotape series has been photographed at operating work zones. The viewers will see examples of good safety practices, as well as actual safety hazards and unsafe working conditions. Each videotape in the series has an accompanying instructor's guide. The last 4 part grouping contains information concerning maintenance and construction safety.

Part 1: Moving Operations/ Maintenance Safety. This video describes a variety of short-term highway operations from snow plowing to patching, from the least dangerous to the most dangerous. It emphasizes awareness of hazards and individual responsibility for safety where standard traffic controls are at a minimum.

Part 2: Grading Safety. This video covers some of the safety hazards you'll find on typical grading sites, from clearing and grubbing to final grading. Emphasis is on personal responsibility for safety and awareness of the hazards.

Part 3: Paving Safety. This video shows some of the hazards of paving with Portland cement concrete (PCC) and asphalt cement concrete (ACC), including night paving operations. Emphasis is on taking personal responsibility for being aware of the changing hazards during paving operations.

Part 4: Structures Safety. This video covers some of the typical hazards around the construction of bridges and culverts, with emphasis on falling, falling objects, and crane hazards.

### **V092 Testing and Field Inspection of Roadway Delineation**

Part 1: Inspection points important to surface markings.

Part 2: Other types of delineation: signs, object markers.

### **V093 Traffic Signal Systems-Go For The Green**

Part 1: Demonstrates the need for proper traffic signalization and installation.

Part 2: Describes design, installation, operation and maintenance of state-of-the art signal control.

### **V115 It's About Time.. Traffic Signal Management: Cost Effective Street Capacity**

This video discusses traffic movement and ways to improve flow by using existing equipment, or updating equipment to improve traffic flow which may also cure commuting problems such as road rage, traffic accidents and congestion. Timing of traffic lights or lane additions are also options which are also discussed in the video.

### **V119 Give 'em a Brake: Highway Work Zone Safety**

A IDOT presentation of the Give 'em a Brake Program aimed at public audiences.

### **V120 The Kennedy Ex Reversible Gate System**

Shows the operation of the reversible lane gate system on Chicago's Kennedy Expressway.

### **V136 Traffic Control: What Works**

This video offers information on how public officials develop reasonable, research-based traffic control strategies and choose traffic control devices. It explains why officials should arrive at a systematic and system-wide traffic control policy and should then establish a track record of following that policy.

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### **V137 Sign Reflectivity Testing**

This video shows the importance of and procedure for checking nighttime reflectivity of highway signs.

### **V142 Breakaway Sign Program**

Overview of the breakaway sign system that was established in the 1970's. Discusses and shows components of the sign supports, assembly and installation details, crash tests, and repair procedures following collision damage.

### **V146 Coordinated Signal Data Acquisition and Playback System**

This video discusses the Coordinated Data Acquisition and Playback System for traffic signals.

### **V167 New Work Zone Safety Devices**

This Video program is designed for the safety of workers in work zone areas. It discusses various safety equipment such as Warning Devices, Pothole Speed Bumps, Delineation Devices, Lighting Devices and Signal Flagging Devices.

### **V515 Traffic Control Series**

5 part video that covers traffic control on a global basis

Part 1: Markings and Islands.

This video follows MUTCD guidelines on the design and application of markings and islands.

Part 2: Traffic Controls for Schools, Railroad Crossings, and Bicycle Facilities.

This video follows MUTCD traffic controls for three traffic control conditions requiring extra safety considerations: schools, railroad crossings, and bicycle facilities.

Part 3: Traffic Control Signals at Intersection.

This is a basic introduction to how engineers determine if a signal is needed and the basic principles of signal controller phasing and traffic signal timing. Intersection studies are briefly described, and types of warrants for signalization are given. Signal equipment is also shown.

Part 4: Traffic Sign Inspection and Maintenance.

This video shows the importance of sign inspection, inventory and maintenance procedures.

Part 5: Traffic Sign Placement and Location. This video covers the placement and location of signs in general and specifically at their placement and location in three areas: urban, rural, and freeways.

### **V516 Jobsite Safety Series**

2 part video that cover jobsite safety on a global basis

Part 1: Developing Jobsite Traffic Control Plans.

This video follows the development of an effective traffic control plan from the preplanning process, through the design and writing, the implementation, evaluation and even revision.

Part 2: Installation, Inspection, and Maintenance of Work Site Traffic Control Devices.

This video shows types of traffic control devices, their installation and inspection at a basic worksite based on a traffic control plan.

### **V518 Right Before Your Eyes**

General presentation on the need for good pavement markings.

### **V539 Flagging: You're the Director**

The job of the flagger is crucial for preventing highway work zone accidents. However, Flaggers are often not properly trained or not trained at all. This valuable video program reviews vital flagging procedures including: Flagger Requirements; Proper Clothing & Equipment; Flagger Position; and Stopping & Releasing Traffic.

### **V540 Highway Work Zone Safety: The Basics**

This video program will help your employees understand and comply with MUTCD and learn what it takes to keep themselves, drivers, and pedestrians safe. Topics include: Being Safety Conscious; Traffic Control Devices; Slowing Down Traffic; Detours & Closures; and Communication.

### **V545 Quick-change Movable Barrier**

Part 1: This video shows the general operation and discusses the advantages of the Quick-change system.

Part 2: The system is demonstrated on the Texas I-30 Contraflow HOV Lane.